



400 Main Street  
East Hartford, Connecticut 06108

November 13, 1990

Mr. Richard Barlow, Chief  
Bureau of Waste Management  
Department of Environmental Protection  
165 Capitol Avenue  
Hartford, Connecticut 06106

Ms. Stephanie Goodwin  
U.S. EPA - Region 1  
TC Permit Applications - HRR-CAN3  
J. F. K. Federal Building  
Boston, Massachusetts 02203-2211

RCRA RECORDS CENTER  
BY *[Signature]*  
CTD990672081  
R-A  
RDMS # 2520

Ref: RCRA Part A Application for Pratt & Whitney  
East Hartford CTD990672081

Dear Ms. Goodwin,

Enclosed is a revised Resource Conservation and Recovery Act (RCRA) Part A permit application for Pratt & Whitney (P&W), East Hartford, Connecticut EPA identification number CTD990672081. P&W originally submitted a RCRA Part A permit application for its East Hartford Facility on November 18, 1980. Since then three revisions have been made dated November 19, 1981, November 30, 1983, and December 4, 1985. This submittal revises the Part A application dated December 4, 1985.

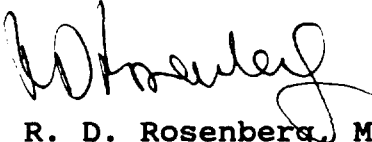
Changes to Section XIV - Description of Hazardous Waste in the RCRA Part A Application include the addition of D001 and F006 wastes, U wastes listed in 40 CFR 261.33, Toxicity Characteristic D wastes and additional tank storage capacity. The D001 waste was added because it was inadvertently left out of our last Part A Revision. However, it was contained in our original Part A application. The remaining additional D wastes have been identified under the Toxicity Characteristic. F006 wastes are being added to this permit because they are being received from the P&W Rocky Hill Facility, for dewatering, and from the P&W Colt Street Facility for storage. Additional U wastes were added because they could be contained in off specification products or in spill residues. These changes are allowed under 40 CFR 270.72 (a)(1) and (b)(3).

Changes to Section XII - Process Codes and Design Capacities in the RCRA Part A Application include an additional 44,000 gallons of tank storage capacity. This is required for newly identified hazardous waste oils due to the Toxicity Characteristic. P&W has been managing waste oils in three existing underground tanks. Each tank has a capacity of 10,000 gallons. These tanks have been used for less than 90 day storage of waste oils generated on site. With

the passage of the new Toxicity Characteristic some of the waste oil that P&W receives in tankers is now a hazardous waste. Up to two 5,000 gallon waste oil tankers can be stored on receiving truck pads until the contents are transferred to treatment or storage tanks. P&W also has an above ground 4,000 gallon tank, which receives dilute oily wastewater that will exhibit the new Toxicity Characteristic for some loads. P&W also receives hazardous waste oils in barrels from off site, which we intend to manage in these tanks. This revision will provide interim status for the three existing, less than 90 day underground storage tanks, one above ground tank, and the truck pad. P&W will then be able to manage both on site and off site Toxicity Characteristic wastes in these tanks, as well as other hazardous waste oil. These changes are allowed under 40 CFR 270.72 (a)(1) and (b)(3).

If you have any questions or comments during your review please call Joseph Parrette at (203) 565-0972.

Very truly yours,



R. D. Rosenberg, Manager  
Environmental Protection & Facilities Construction

ehparta

cc: John Podgurski, USEPA  
George Dews - CTDEP



<b>Secondary ID Number (order from prior)</b>																					
C	T	D	9	9	0	6	7	2	0	8	1										
<b>UNITED TECHNOLOGIES CORP</b>																					
												<b>State</b>		<b>Zip Code</b>							
												<b>B. Operator Type</b>		<b>C. Change of Operator</b>				<b>Date Change</b>			
												Indicator		Month				Day			
												P		Yes				X			
<b>SAME AS OPERATOR</b>																					
												<b>State</b>		<b>Zip Code</b>							
												<b>B. Owner Type</b>		<b>C. Change of Owner</b>				<b>Date Change</b>			
												Indicator		Month				Day			
														Yes				No			
<b>X. Other Environmental Permits (in order of significance)</b>																					
<b>Primary</b>												<b>Secondary</b>									
(description)												(description)									
3 7 2 4 Jet Engine Manufacturer																					
<b>Secondary</b>												<b>Secondary</b>									
(description)												(description)									
<b>X. Other Environmental Permits (in order of significance)</b>																					
<b>A. Permit Type</b>		<b>B. Permit Number</b>										<b>C. Description</b>									
N		C T 0 0 0 1 3 7 6																			
E		5 3 - 0 0 1 7										CT EMISSIONS PERMIT									
E		5 3 - 0 0 1 8										" " "									
E		5 3 - 0 0 1 9										" " "									
E		5 3 - 0 0 2 0										" " "									
E		5 3 - 0 0 2 2										" " "									
E		5 3 - 0 0 2 4										" " "									
E		5 3 - 0 0 2 7										" " "									
E		5 3 - 0 0 4 7										" " "									

C T D 9 9 0 6 7 2 0 8 1

Manufacture Jet Engines and Parts

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	UNIT OF MEASURE	UNIT OF MEASURE CODE
	<b>DISPOSAL:</b>			
D79	INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY	GALLONS .....	G
D80	LANDFILL	ACRE- FEET OR HECTARE-METER	GALLONS PER HOUR .....	E
D81	LAND APPLICATION	ACRES OR HECTARES	GALLONS PER DAY .....	U
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY	LITERS .....	L
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS	LITERS PER HOUR .....	H
	<b>STORAGE:</b>			
S01	CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS	LITERS PER DAY .....	V
S02	TANK	GALLONS OR LITERS	SHORT TONS PER HOUR .....	D
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS	METRIC TONS PER HOUR .....	W
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS	SHORT TONS PER DAY .....	N
	<b>TREATMENT:</b>			
T01	TANK	GALLONS PER DAY OR LITERS PER DAY	METRIC TONS PER DAY .....	S
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY	POUNDS PER HOUR .....	J
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR	KILOGRAMS PER HOUR .....	R
			CUBIC YARDS .....	Y
			CUBIC METERS .....	C
T04	OTHER TREATMENT  (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XII.)	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY	ACRES .....	B
			ACRE- FEET .....	A
			HECTARES .....	Q
			HECTARE-METER .....	F
			BTU's PER HOUR .....	K

[illegible][illegible]

10(s) with the following information:  
used for commercial or foreign purposes

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	KM	KN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC
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C T D 9 9 0 6 7 2 0 8 1											
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**Part 1. Hazardous Wastes**

**HAZARDOUS WASTE NUMBERS** - Enter the EPA Hazardous Waste Number for each listed hazardous waste that is handled. For hazardous wastes which are not listed in Part 261 Subpart D, enter the four-digit number(s) from 40 to 49. For non-listed hazardous wastes, enter the four-digit number(s) from 40 to 49. For hazardous wastes which are not listed in Part 261 Subpart D, enter the four-digit number(s) from 40 to 49. For hazardous wastes which are not listed in Part 261 Subpart D, enter the four-digit number(s) from 40 to 49.

**ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

**UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If the records use any other unit of measure for quantity, the unit of measure must be converted into one of the required units, taking into account the appropriate density or other property of the waste.

**Part 2. Processes****PROCESS CODES:**

**For listed hazardous waste:** For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XI A, on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

**For non-listed hazardous waste:** For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XI A, on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:**

- Enter the first two as described above.
- Enter "00" in the extreme right box of Item XIV.
- Enter in the space provided on page 7, Item XIV-B, the first number and the additional code(s).

**PROCESS DESCRIPTION** - If a code is not listed for a process that will be used, describe the process in the space provided on the form (Page 7).

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included With Above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM XIV** (shown in the numbers XI-1, XI-2, XI-3, and XI-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS	
				(1) PROCESS CODES (enter)	(2) PROCESS DESCRIPTION (if a code is not entered in (1))
1	K 0 3 4	900	P	T 0 3 D 0 0	
2	D 0 0 2	400	P	T 0 3 D 0 0	
3	D 0 0 1	100	P	T 0 3 D 0 0	
4	D 0 0 2				Included With Above

- 6 of 7 -  
6 A



- 6 of 7 -  
6 B

6 C

- 6 of 7 -  
6 D

EPA ID Number (enter from page 1)

Secondary ID Number (enter from page 1)

D 9 9 0 6 7 2 0 8 1

Description of Hazardous Waste (continued)

USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

Additional Process Codes (enter)

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

Scale Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

Declaration

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Owner Signature

Date Signed

Name and Official Title (type or print)

Ronald H. Henson, Vice President, Environment, Health &amp; Safety

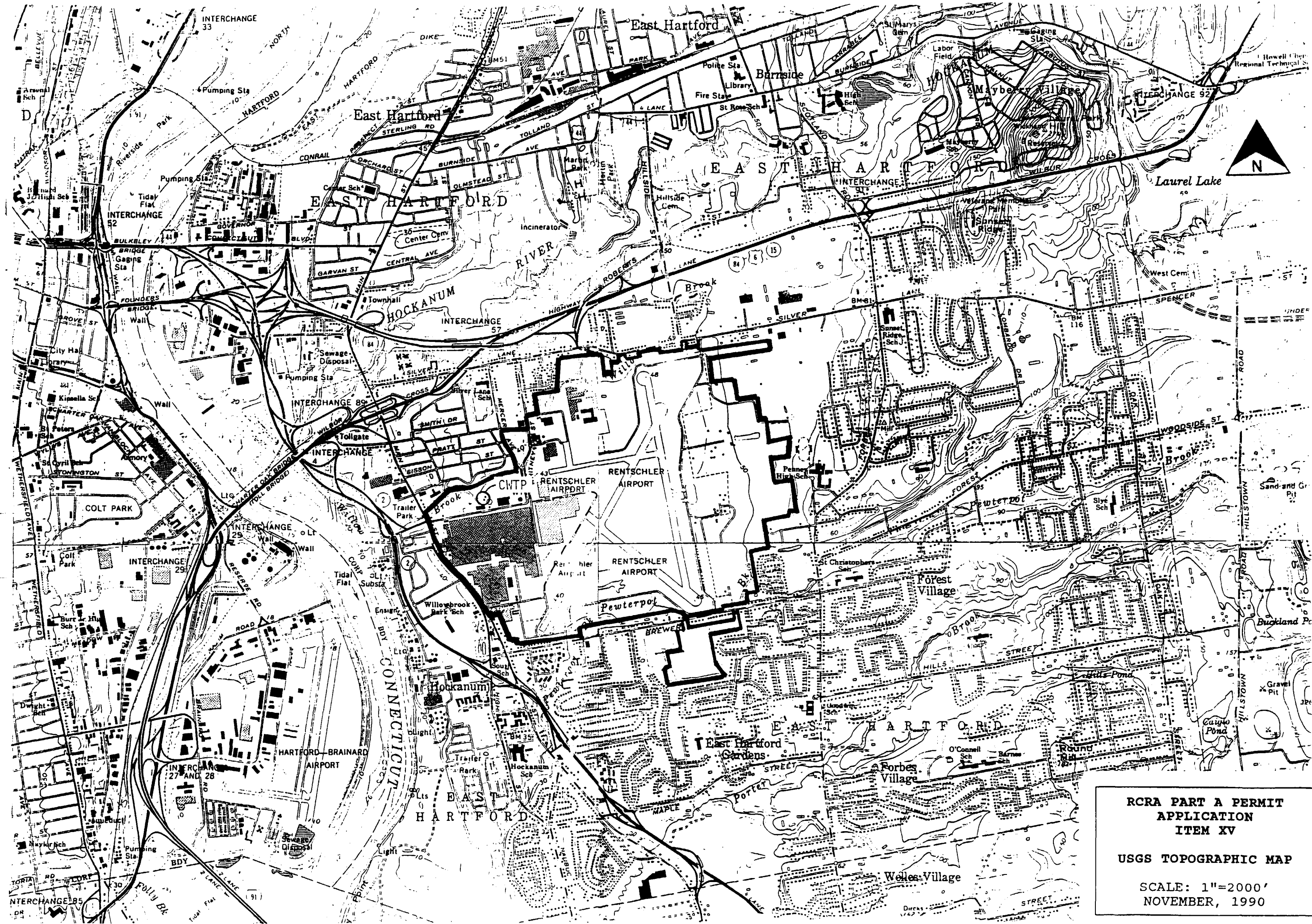
Operator Signature

Date Signed

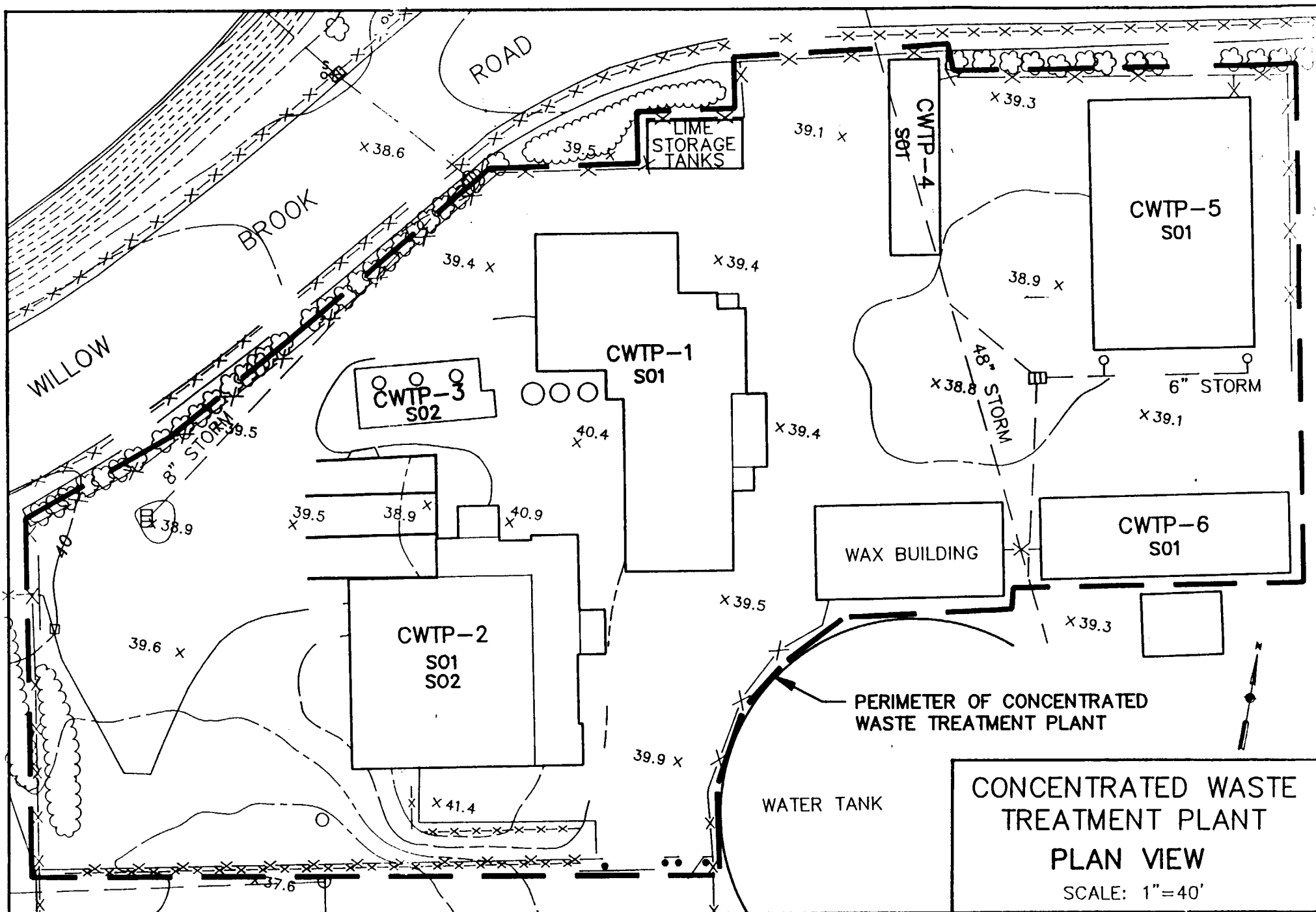
Name and Official Title (type or print)

XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)



RCRA PART A PERMIT  
APPLICATION  
ITEM XV  
USGS TOPOGRAPHIC MAP  
SCALE: 1"=2000'  
NOVEMBER, 1990





**PERMIT TO OPERATE**

EP-12 NEW 6-72

STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STACK NO. 053 0009 57

File for renewal 120 days before expiration date.

## EQUIPMENT CLASSIFICATION

☐ FUEL  
BURNING☐ INCINERATOR☒ PROCESS  
MFG.☐ AIR POLLUTION  
CONTROLDATE ISSUED  
10/8/77PERMIT NO.  
053-0017EXPIRATION DATE  
10/1/80

These anodizing line wet process tanks shall be operated in accordance with the information and specifications of the permit application, with the conditions of the permit letter, and with all applicable sections of the Connecticut Administrative Regulations for the Abatement of Air Pollution.

One 1435 gallon tank, 9% sulfuric acid by volume  
One 1465 gallon tank, 8 oz./gal. sodium dichromate

## FIRM NAME

United Technologies Corp., Pratt &amp; Whitney Aircraft Group

## LOCATION OF EQUIPMENT (No. &amp; Street, Town, Zip)

401 Main St., East Hartford 06108

## APPLICANT'S SIGNATURE

A. E. Wegner

## COMMISSIONER OR HIS REPRESENTATIVE

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

Executive Vice President  
APPLICANT



PERMIT TO OPERATE  
EP-12 NEW 6/72



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PREMISE NO.: 053-0010

STACK NO.: 01

PERMIT NO.  
053-0018

File for renewal 120 days before expiration date.

EQUIPMENT CLASSIFICATION

☒ FUEL  
BURNING  
CONDITIONS

☐ INCINERATOR

☐ PROCESS  
MFG.

☐ AIR POLLUTION  
CONTROL

DATE ISSUED

3/19/79

EXPIRATION DATE

2/15/84

This natural gas-fired inlet air heater, associated with Test Stand X203 shall be operated in accordance with the specifications listed in the permit application, with the terms of the permit letter and with all applicable sections of the Connecticut Administrative Regulations for the Abatement of Air Pollution.

FUEL: Natural Gas  
MAXIMUM FIRING RATE: 60,000 cubic feet per hour

FIRM NAME

United Technologies Corporation/Pratt & Whitney Aircraft

LOCATION OF EQUIPMENT (No. & Street, Town, Zip)

Pent Road, East Hartford 06108

APPLICANT'S SIGNATURE

Gordon A. Titcomb

COMMISSIONER OR HIS REPRESENTATIVE

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

Executive Vice President  
Commercial Products Division

APPLICANT

**PERMIT TO OPERATE**  
EP-12 NEW 6-72



STATE OF CONNECTICUT  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**



File for renewal 120 days before expiration date.

STACK NO.: 53-009-94

PERMIT NO
53-019
DATE ISSUED
12/21/80
EXPIRATION DATE
2/15/84

**EQUIPMENT CLASSIFICATION**

☒ FUEL  
BURNING

☐ INCINERATOR

☐ PROCESS  
MFG.

☐ AIR POLLUTION  
CONTROL

**CONDITIONS**

This duct burner segment rig (Test Stand X-127) shall be operated in accordance with the specifications listed in the permit application, with the terms of the permit letter, and with all applicable sections of the Connecticut "Administrative Regulations for the Abatement of Air Pollution."

MAXIMUM FUEL RATE: 380 gph jet fuel

STACK HEIGHT: 33 ft

OPERATING TIME: No more than 8 hours/day and 200 hrs/year

**FIRM NAME**

Pratt & Whitney Aircraft Group - United Technologies Corp.

**LOCATION OF EQUIPMENT (No. & Street, Town, Zip)**

Pen Road, East Hartford

**APPLICANT'S SIGNATURE**

G. A. Titcomb

**COMMISSIONER OR HIS REPRESENTATIVE**

Stanley J. Pae

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

Executive Vice President, Commercial Products Division

DEPARTMENT OF ENVIRONMENTAL PROTECTION

PERMIT TO



CONSTRUCT



OPERATE



RENEWAL

OTHER \_\_\_\_\_

STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

File for renewal 120 days before expiration date

EQUIPMENT CLASSIFICATION



FUEL BURNING



INCINERATOR



PROCESS MFG

TOWN NO  
053PREMISE NO  
0009PERMIT NO  
0020

STACK NO

DATE ISSUED

2/23/83

EXPIRATION DATE

2/1/88

The following shall be constructed/operated in accordance with the specifications listed in the permit application, with the terms of the permit letter, and with all applicable sections of the Connecticut "Administrative Regulations for the Abatement of Air Pollution."

EQUIPMENT DESCRIPTION (I.D.): JET ENGINE BURNER TEST RIG (X-336)

## CONDITIONS

MAXIMUM FIRING RATE: 100 gph Jet A

STACK HEIGHT: 60 ft

OPERATING TIME: No more than 1½ hours/day and 400 hours/year

FIRM NAME

UNITED TECHNOLOGIES CORP./PRATT &amp; WHITNEY AIRCRAFT GROUP

OWN OF EQUIPMENT No &amp; Street Town - Zip

400 MAIN STREET, EAST HARTFORD 06108

APPLICANT'S SIGNATURE

T. Stephen Melvin, President  
Manufacturing Division

COMMISSIONER OR HIS REPRESENTATIVE

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

PERMIT TO OPERATE  
EP-12 NEW 6-72



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



File for renewal 120 days before expiration date.

STACK NO.: 53-09-96

PERMIT NO.  
53-022

EQUIPMENT CLASSIFICATION

☐ FUEL  
BURNING

☒ INCINERATOR

☐ PROCESS  
MFG.

☐ AIR POLLUTION  
CONTROL

DATE ISSUED  
4/27/81

EXPIRATION DATE  
2/15/84

CONDITIONS

This Environmental Control Products Model 2500T steam recovery incinerator shall be operated in accordance with the specifications listed in the permit application, with the terms of the permit letter, and with all applicable sections of the Connecticut "Administrative Regulations for the Abatement of Air Pollution."

TYPE WASTE: 0,1 ( $\leq$  2% plastics)

MAXIMUM CHARGING RATE: 2,300 lb/hr @ 6,500 BTU/lb

MAXIMUM FIRING RATE: One primary burner @ 20 gph #2 oil

Two secondary burners @ 20 gph each #2 oil

FIRM NAME

Pratt & Whitney Aircraft Group - United Technologies Corp.

LOCATION OF EQUIPMENT (No. & Street, Town, Zip)

400 East Main St., East Hartford 06108

APPLICANT'S SIGNATURE

A. E. Wegner

COMMISSIONER OR HIS REPRESENTATIVE

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

Executive Vice President - Manufacturing Division

PERMIT TO

☐ CONSTRUCT☒ OPERATE☐ RENEWAL

OTHER \_\_\_\_\_

STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

File for renewal 120 days before expiration date.

EQUIPMENT CLASSIFICATION

TOWN NO 53	PREMISE NO 09	PERMIT NO 0024	STACK NO 97
DATE ISSUED 2/23/83		EXPIRATION DATE 2/15/84	

☐ FUEL BURNING☒ INCINERATOR☐ PROCESS MFG

The following shall be constructed/operated in accordance with the specifications listed in the permit application, with the terms of the permit letter, and with all applicable sections of the Connecticut "Administrative Regulations for the Abatement of Air Pollution."

EQUIPMENT DESCRIPTION (I.D.): **ENVIRONMENTAL CONTROL PRODUCTS MODEL 2500T INCINERATOR**

## CONDITIONS:

**MAXIMUM CHARGING RATE: 2,300 lb/hr Type 0,1 Waste****MAXIMUM FIRING RATE: One primary @ 20 gph #2 oil, two secondary @ 20 gph #2 oil****MINIMUM STACK HEIGHT: 40 ft above grade****OPERATING CONDITION: No waste to be charged until start-up phase is complete (dump stack gases > 600° F.**

FIRM NAME

**PRATT & WHITNEY AIRCRAFT GROUP OF UNITED TECHNOLOGIES CORP.**

LOCATION OF EQUIPMENT (No. 3 Street Town Zip)

**400 MAIN STREET, EAST HARTFORD**

APPLICANT'S SIGNATURE

**X T. Stephen Melvin, President**  
**Manufacturing Division**

COMMISSIONER OR HIS REPRESENTATIVE

*Stacy B.*

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

**PERMIT TO OPERATE**  
EP-12 NEW 6-72



STATE OF CONNECTICUT  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**



File for renewal 120 days before expiration date.

STACK NO.: 53-0010-01

PERMIT NO.  
53-027

**EQUIPMENT CLASSIFICATION**

☒ FUEL  
BURNING

☐ INCINERATOR

☐ PROCESS  
MFG.

☐ AIR POLLUTION  
CONTROL

DATE ISSUED  
2/23/83

EXPIRATION DATE  
2/15/84

**CONDITIONS**

Test Stand X-209 Development Engine shall be operated in accordance with the specifications listed in the permit application, with the terms of the permit letter, and with all applicable sections of the Connecticut "Administrative Regulations for the Abatement of Air Pollution."

MAXIMUM FIRING RATE: 9,600 #/hr JP-4 fuel  
MAX. OPERATING HOURS/YEAR: 250 hours

**FIRM NAME**

Pratt & Whitney Aircraft Group

**LOCATION OF EQUIPMENT (No. & Street, Town, Zip)**

Pent Road, East Hartford

**APPLICANT'S SIGNATURE**

X T. Stephen Melvin, President  
Manufacturing Division

**COMMISSIONER OR HIS REPRESENTATIVE**

*[Signature]*

Permit is invalid unless signed by Applicant, such signature constituting agreement to the conditions listed above.

## DEPARTMENT OF ENVIRONMENTAL PROTECTION



TOWN NO. 053	PREMISE NO. 09	PERMIT NO. 0047	STACK NO. 106
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EQUIPMENT CLASSIFICATION <input type="checkbox"/> FUEL BURNING <input type="checkbox"/> INCINERATOR <input checked="" type="checkbox"/> PROCESS MFG. OTHER _____	DATE ISSUED 6/22/89	EXPIRATION DATE (NONE UNLESS NOTED)
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PERMIT TO : ☐ CONSTRUCT ☒ OPERATE OTHER \_\_\_\_\_

PREMISE TYPE :

☒ PREMISE W/ POTENTIAL  
EMISSIONS  $\geq$  100 TPY  
WITHOUT PERMIT  
(I.e., EPA-"MAJOR SOURCE")☐ PREMISE W/ POTENTIAL  
EMISSIONS  $\geq$  100 TPY  
WITH PERMIT  
(I.e., EPA-"MAJOR SOURCE")☐ PREMISE W/ POTENTIAL  
EMISSIONS < 100 TPY  
(I.e., EPA-"MINOR SOURCE")TYPE OF POLLUTANT  
FOR WHICH A PREMISE  
IS A "MAJOR SOURCE" :☒ SO<sub>2</sub>☐ SO<sub>2</sub>☒ NO<sub>x</sub>☐ NO<sub>x</sub>☒ CO☐ CO☒ TSP☐ TSP☒ VOC☐ VOC

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

TYPE OF MODIFICATION : ☐ MAJOR MODIFICATION ☒ MINOR MODIFICATION ☐ NEW SITING

TYPE OF SOURCE :

☒ A1 SOURCE (ACTUAL EMISSIONS  $\geq$  100 TPY OR FOR A  
PREMISE WITH CONTROLS, POTENTIAL EMISSIONS  $\geq$  100 TPY)☐ A2 SOURCE (ACTUAL EMISSIONS < 100 TPY, AND:  
1) FOR A PREMISE WITHOUT CONTROLS,  
POTENTIAL EMISSIONS  $\geq$  100 TPY, OR  
2) FOR A PREMISE WITH CONTROLS,  
MAXIMUM UNCONTROLLED EMISSIONS  $\geq$  100 TPY)☐ B SOURCE ☐ NSPS SOURCE ☐ NESHAPS SOURCELOCATION OF EQUIPMENT (No. & Street, Town, Zip)  
400 MAIN STREET, EAST HARTFORD, CONNECTICUT 06108FIRM NAME  
PRATT & WHITNEY, UTC



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAGE 2 OF 3

TOWN NO. 053	PREMISE NO. 09	PERMIT NO. 0047	STACK NO. 106
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EQUIPMENT CLASSIFICATION <input type="checkbox"/> FUEL BURNING <input type="checkbox"/> INCINERATOR <input checked="" type="checkbox"/> PROCESS MFG. OTHER _____	DATE ISSUED 6/22/89	EXPIRATION DATE (NONE UNLESS NOTED)
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THE FOLLOWING SHALL BE CONSTRUCTED/OPERATED IN ACCORDANCE WITH THE SPECIFICATIONS LISTED IN THE PERMIT APPLICATION, WITH THE TERMS OF THE PERMIT LETTER, AND WITH ALL APPLICABLE SECTIONS OF THE CONNECTICUT "ADMINISTRATIVE REGULATIONS" FOR THE ABATEMENT OF AIR POLLUTION."

EQUIPMENT DESCRIPTION (I.D.): ELECTRIC WALK-IN OVEN

CONDITIONS:

PROCESS MATERIAL: Lucite

PROCESS RATE: 2.31 lb/hr

MAXIMUM OPERATING HOURS: 534 hrs/year

CONTROL EQUIPMENT: Incinerator

MINIMUM INCINERATOR TEMPERATURE: 1200° F

MINIMUM CONTROL EFFICIENCY: 99.9%

RECORDKEEPING REQUIREMENTS:

A daily log of operating hours must be maintained and made available for inspection by this Department at any time.

NOTE:

The incinerator must be in operation whenever the electric walk-in oven is operating.

RECORDS INDICATING CONTINUAL COMPLIANCE WITH ALL ABOVE CONDITIONS MUST BE KEPT ON SITE AT ALL TIMES AND MADE AVAILABLE UPON DEPARTMENTAL REQUEST FOR THE DURATION OF THIS PERMIT.

FIRM NAME  
PRATT & WHITNEY, UTC

LOCATION OF EQUIPMENT (No. & Street, Town, Zip)  
400 MAIN STREET, EAST HARTFORD, CONNECTICUT 06108

APPLICANT'S SIGNATURE

COMMISSIONER OR HIS REPRESENTATIVE

PERMIT IS INVALID UNLESS SIGNED BY APPLICANT, SUCH SIGNATURE CONSTITUTING AGREEMENT TO THE CONDITIONS LISTED ABOVE.

AIR COMPLIANCE - PERMITS



OPERATING MODE ID: Electric Walk-in  
Oven

TOWN NO.	PREMISE NO.	PERMIT NO.	STACK NO.
053	09	0047	106

CRITERIA POLLUTANTS	LB/HOUR	ASC* (ug/m <sup>3</sup> )			TPY
TSP					
SO <sub>x</sub> expressed as SO <sub>2</sub>					
NO <sub>x</sub> expressed as NO <sub>2</sub>					
HC	0.0043				0.0011
CO					
Pb					
NON-CRITERIA POLLUTANTS					
H <sub>2</sub> SO <sub>4</sub>					
Methyl methacrylate	0.0043	574.5			0.0011
COMMENTS: *Allowable Stack Concentration					
FIRM NAME					
PRATT & WHITNEY, UTC					
LOCATION OF EQUIPMENT (No. & Street, Town, Zip)					
400 MAIN STREET, EAST HARTFORD, CONNECTICUT 06108					
APPLICANT'S SIGNATURE			COMMISSIONER OR HIS REPRESENTATIVE		

PERMIT IS INVALID UNLESS SIGNED BY APPLICANT, SUCH SIGNATURE CONSTITUTING AGREEMENT TO THE CONDITIONS LISTED ABOVE.  
AIR COMPLIANCE - PERMITS